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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

NARIMATSU et al.

Appln. No. 10/539,450

Filed: December 23, 2005



Confirmation No. 6812

Atty. Ref.: 159-90

T.C. / Art Unit: 1638

Examiner: Not Known

FOR: β 1,3-N-ACETYL-D-GALACTOSAMINE TRANSFERASE PROTEIN, NUCLEIC
ACID ENCODING THE SAME AND METHOD OF EXAMINING CANCERATION
USING THE SAME

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

May 25, 2006

U.S. Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Further to the Information Disclosure Statements (IDS) submitted on June 20, 2005 and April 12, 2006 in this application, attached is Form PTO-1449 listing the enclosed documents. Note that the sequence information of WO 01/79556 is relevant (especially SEQ ID NO:1006), but that the document does not describe expression of a glycotransferase protein or enzymatic activity of a glycotransferase protein.

This IDS is intended to be in full compliance with the rules, but should the Examiner find any part of its required content to have been omitted, prompt notice to that effect is earnestly solicited, along with additional time under 37 CFR § 1.97(f), to enable Applicants to comply fully. In particular, if any of the listed documents are missing or incomplete, please contact the undersigned who will provide another copy.

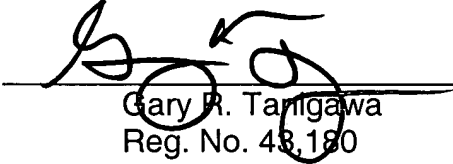
As provided by 37 CFR §§ 1.97(g) and (h), no inference should be made that this information and the listed references are prior art merely because they have been submitted for consideration. Furthermore, no representation is being made that a search has been conducted or that this statement encompasses all possible material information.

Consideration of the foregoing and enclosures, as well as the return of a copy of the Form PTO-1449 with the Examiner's initials per M.P.E.P. § 609, are earnestly solicited. The Examiner is invited to contact the undersigned if any further information is needed.

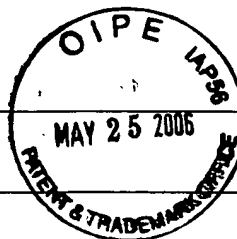
Respectfully submitted,

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**INFORMATION DISCLOSURE
CITATION**

APPLN. NO.

10/539,450

ATTY. DKT. NO.

159-90

APPLICANT

NARIMATSU et al.

(Use several sheets if necessary)

FILING DATE

December 23, 2005

GROUP

1638

U.S. PATENT DOCUMENTS

| *EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|----------------------|-----------------|------|------|-------|----------|-------------------------------|
| AR | | | | | | |
| BR | | | | | | |
| CR | | | | | | |

FOREIGN PATENT DOCUMENTS

| | DOCUMENT | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION YES | NO |
|----|-------------|---------|---------|-------|----------|--------------------|----|
| DR | WO 01/79556 | 10/2001 | WIPO | | | t | |
| ER | 2002-85069 | 10/2003 | Japan | | | Abstrac | |
| FR | | | | | | | |
| GR | | | | | | | |
| HR | | | | | | | |
| IR | | | | | | | |
| JR | | | | | | | |

OTHER DOCUMENTS (including Author, Title, Pertinent pages, Date, etc.)

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|----|--|
| JR | Hiruma et al. "Cloning and analyzing functions of a novel human glycosyltransferase of β 3GalNAc-T2 gene" Biotechnol. Symposium Abstracts, 21:137-140 (2003) in Japanese with partial English translation |
| KR | Hiruma et al. "A novel human β 1,3-N-acetylgalactosaminyltransferase that synthesizes a unique carbohydrate structure, GalNAc β 1-3GlcNAc" J. Biol. Chem. 279:14087-14095 (2004) |
| LR | Iwai et al. "Molecular cloning and characterization of a novel UDP-GlcNAc: GalNAc-peptide β 1,3-N-acetylglucosaminyltransferase (β 3Gn-T6), an enzyme synthesizing the core 3 structure of O-glycans" J. Biol. Chem. 277:12802-12809 (2002) |
| MR | Taga et al. "Sequential changes in glycolipid expression during human B cell differentiation: Enzymatic bases" Biochim. Biophys. Acta 1254:56-65 (1995) |
| NR | Uyama et al. "Molecular cloning and expression of human chondroitin N-acetylgalactosaminyltransferase: The key enzyme for chain initiation and elongation of chondroitin/dermatan sulfate on the protein linkage region tetrasaccharide shared by heparin/heparan sulfate" J. Biol. Chem. 277:8841-8846 (2002) |
| OR | Wandall et al. "Substrate specificities of three members of the human UDP-N-acetyl- α -D-galactosamine: Polypeptide N-acetylgalactosaminyltransferase family, GalNAc-T1, -T2 and -T3" J. Biol. Chem. 272:23503-23514 (1997) |
| PR | |
| QR | |
| RR | |
| SR | |
| TR | |
| UR | |

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| *Examiner | Date Considered |
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Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

Form PTO-FB-A820 (Also PTO-1449)